

ADDITIONAL

**PIONEER**

# Service Manual

ORDER NO.  
HRT-186-0

PORTABLE STEREO FM/AM RADIO CASSETTE RECORDER

# SK-350 SK-300

DU, KC

DU, KC

NOTE: This additional service manual is designed to be used together with Model SK-350, 300/D, DP Service Manual (HRT-185). Refer to it for finding parts numbers and adjustment, etc. which are not shown in this manual.

## SPECIFICATIONS

Max. output power . . . . . 2W + 2W  
Max. music power. . . . . 15W (total music power)  
Speakers . . . . . 16cm 2-way  
Frequency response . . . . . Normal tape: 50Hz ~ 14kHz  
(SK-350) CrO<sub>2</sub> tape: 50Hz ~ 15kHz  
Metal Tape: 50Hz ~ 16kHz  
Frequency response. . . . . 50Hz ~ 14kHz  
(SK-300)  
Frequency range . . . . . FM: 88 ~ 108MHz  
AM: 525 ~ 1,605kHz  
Input jack . . . . . AUX  
Output jacks. . . . . LINE OUT, PHONES  
(SK-350)  
Output jack . . . . . PHONES  
(SK-300)  
Power source . . . . . 120/220/240V AC 50/60Hz  
120V AC 60Hz (Canada)  
12V DC (eight 1.5V "D" batteries)  
Dimensions (W x H x D) . . . 532 x 220 x 123mm  
(SK-350) (21 x 8<sup>5</sup>/<sub>8</sub> x 4<sup>7</sup>/<sub>8</sub> in.)  
Dimensions (W x H x D) . . . 532 x 220 x 120mm  
(SK-300) (21 x 8<sup>5</sup>/<sub>8</sub> x 4<sup>3</sup>/<sub>4</sub> in.)  
Weight . . . . . 4.6kg (10.1 lbs., without batteries)

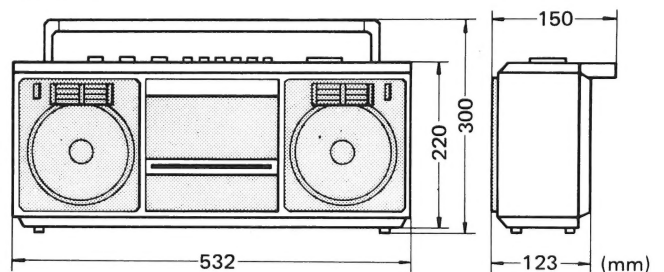
### SK-350

(Subfunctions) . . . . . Dolby NR, tape selector (METAL/  
CrO<sub>2</sub>/NORM), one touch recording,  
music search, record muting, auto  
stop mechanism  
(Indicators) . . . . . POWER (red LED), DOLBY NR (green  
LED), REC (red LED), TUNING (green  
LED), STEREO (red LED)

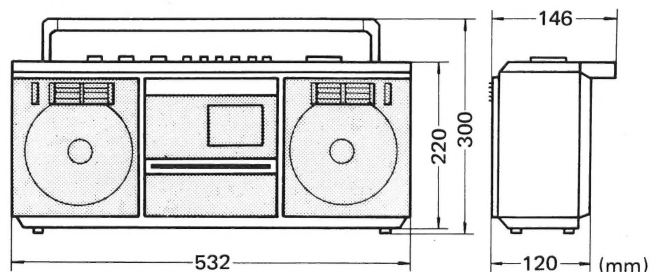
### SK-300

(Subfunctions) . . . . . One touch recording, music search,  
record muting, auto stop mechanism  
(Indicators) . . . . . POWER (red LED), REC (red LED),  
TUNING (green LED), STEREO (red  
LED)

### SK-350



### SK-300



Note: Specifications and design are subject to change without notice.

## PARTS LIST

## Main P.C. Board (SK-350)

SK-350/D, DP			SK-350/DU, KC	
Mark	Part No.	Description	Part No.	Description
★ ★	2SD468	Q308	2SC1383	Q308
	HTX-142	L2 Antenna Unit	HTX-143	L2 Antenna Unit (SK-350/DU)
	CEA102M16L	C306	CEA102M25L	C306
	CEA471M16L	C318	CEA471M25L	C318
	CEA221M16L	C336	CEA221M25L	C336
	CQMA183K50	C803, C804	CQMA273K50	C803, C804

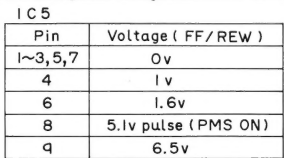
## Main P.C. Board (SK-300)

SK-300/D, DP			SK-300/DU, KC	
Mark	Part No.	Description	Part No.	Description
★ ★	2SD468	Q304	2SC1383	Q304
	HTX-142	L2 Antenna Unit	HTX-143	L2 Antenna Unit (SK-300/DU)
	CEA102M16L	C307	CEA102M25L	C307
	CEA471M16L	C324	CEA471M25L	C324
	CEA101M16L	C325	CEA101M25L	C325
	CQMA183K50	C803, C804	CQMA273K50	C803, C804

## Miscellaneous Parts List

SK-350, 300/D, DP			SK-350, 300/DU, KC	
Mark	Part No.	Description	Part No.	Description
△ ★	HTT-171	Power Transformer	HTT-174	Power Transformer (SK-350/KC, SK-300/KC)
★ ★	HSD-128	S2 Switch (Voltege Selector)	—	Deleted (SK-350/KC, SK-300/KC)

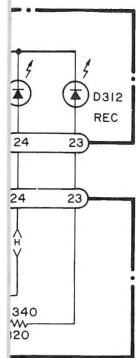
## D











## SWITCHES :

## ① MAIN P.C. BOARD

- S1 : REC / PB SWITCH ..... REC - PB  
 S2 : TAPE SELECTOR ..... METAL - CrO<sub>2</sub> - NORM  
 SWITCH  
 S3 : FUNCTION SWITCH ..... AM - FM / AUX - TAPE / OFF  
 S4 : DOLBY NR SWITCH ..... ON - OFF  
 S6 : REC MUTE SWITCH ..... ON - OFF

## ② JACK P.C. BOARD

- S5 : BFC SWITCH ..... 1 - 2 - 3

## ③ MISCELLANEOUS

- S1 : FF / REW SWITCH ..... ON - OFF  
 MOTOR POWER ..... ON - OFF  
 SWITCH  
 S2 : VOLTAGE SELECTOR ..... 240v - 220v - 120v  
 SWITCH (DU MODEL)

The underlined indicates the switch position.

## P.C. BOARD

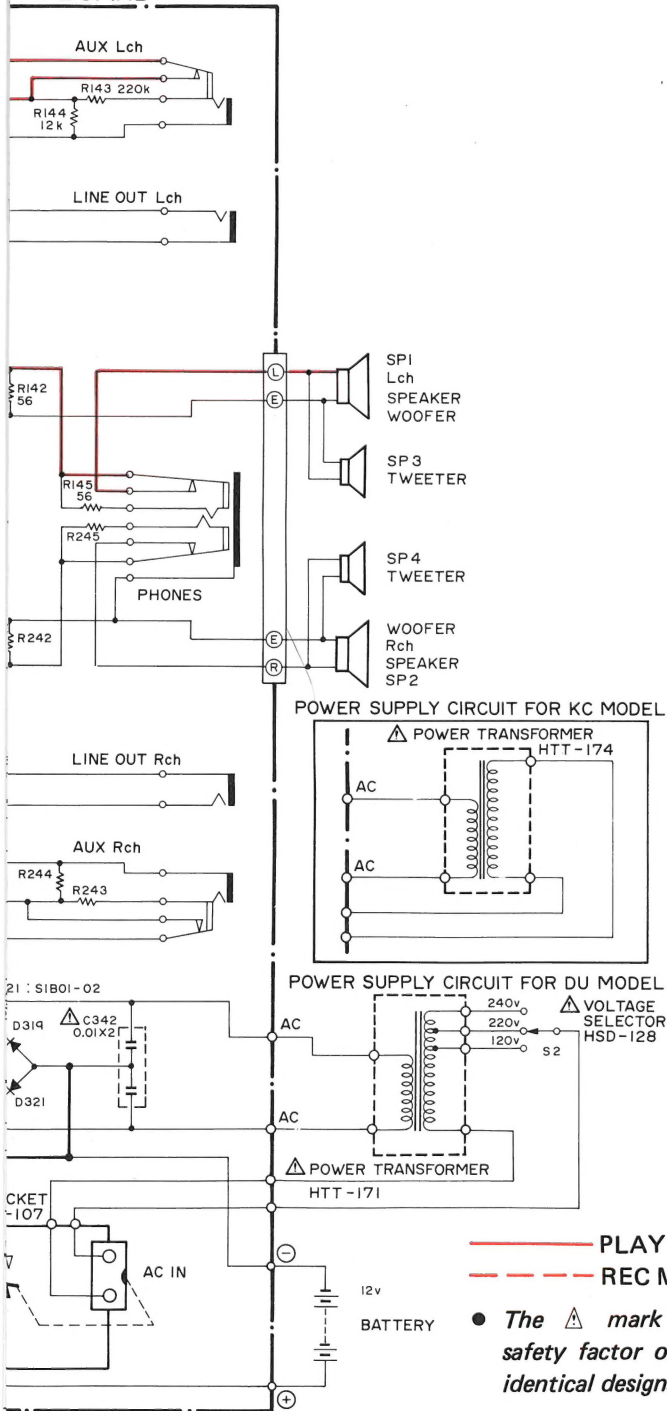


Fig. 1

— PLAY MODE  
 - - - REC MODE

- The  $\Delta$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

A

B

C

D

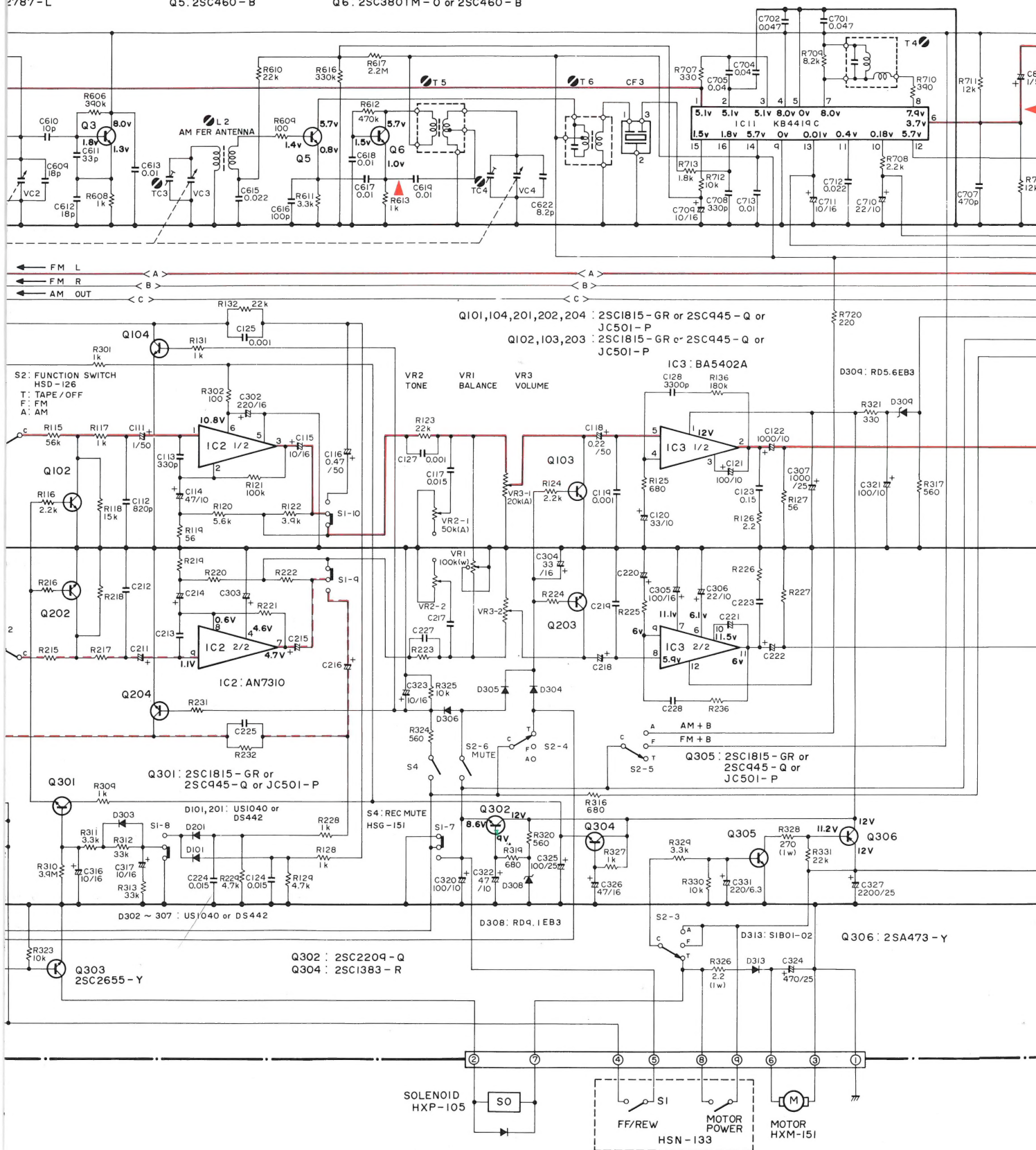


IC4:BA338

2787-L

Q5: 2SC460-B

Q6: 2SC380TM-O or 2SC460-B





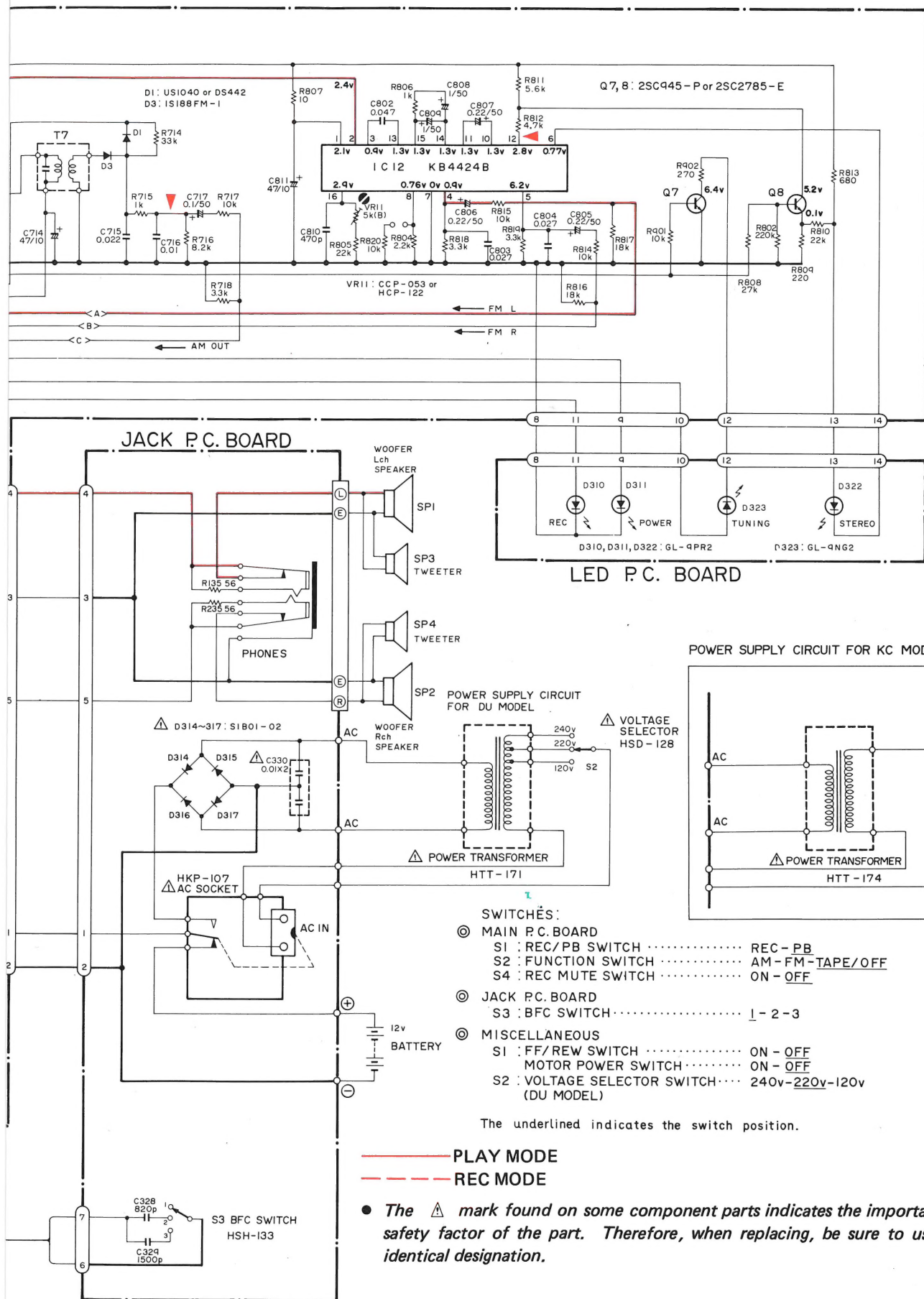


Fig.2

# EXPLODED VIEW

## EXPLODED VIEW

### Cabinet (SK-350)

SK-350/D, DP				SK-350/DU, KC	
Mark	No.	Part No.	Description	Part No.	Description
★	14.	HXA-875	Front Case Assy	HXA-886	Front Case Assy (SK-350/DU)
★	39.	HNS-572	Rear Case	HNS-582	Rear Case (SK-350/DU)
				HNS-580	Rear Case (SK-350/KC)

### Chassis (SK-350)

SK-350/D, DP				SK-350/DU, KC	
Mark	No.	Part No.	Description	Part No.	Description
	42.	HWX-406	P.C. Board Unit	HWX-405	P.C. Board Unit
⚠ ★ ★	43.	HSD-128	Switch (Voltage Selector)	—	Deleted (SK-350/KC)
	44.	BNC30P120FMC	Screw	—	Deleted (SK-350/KC)
⚠ ★	46.	HTT-171	Power Transformer	HTT-174	Power Transformer (SK-350/KC)
	51.	HTX-142	Antenna Unit	HTX-143	Antenna Unit (SK-350/DU)
	52.	HNS-572	Rear Case	HNS-582	Rear Case (SK-350/DU)
				HNS-580	Rear Case (SK-350/KC)
⚠				CNV-863	AC Cap [AC Socket]
⚠				HNW-536	Cover (SK-350/DU)
					[Voltage Selector]

### Cabinet (SK-300)

SK-300/D, DP				SK-300/DU, KC	
Mark	No.	Part No.	Description	Part No.	Description
★	14.	HXA-874	Front Case Assy	HXA-885	Front Case Assy (SK-300/DU)
★	35.	HNS-563	Rear Case	HNS-581	Rear Case (SK-300/DU)
				HNS-579	Rear Case (SK-300/KC)

### Chassis (SK-300)

SK-300/D, DP				SK-300/DU, KC	
Mark	No.	Part No.	Description	Part No.	Description
	35.	HWX-408	P.C. Board Unit	HWX-407	P.C. Board Unit
⚠ ★ ★	36.	HSD-128	Switch (Voltage Selector)	—	Deleted (SK-300/KC)
	37.	BNC30P120FMC	Screw	—	Deleted (SK-300/KC)
⚠ ★	38.	HTT-171	Power Transformer	HTT-174	Power Transformer (SK-300/KC)
	44.	HTX-142	Antenna Unit	HTX-143	Antenna Unit (SK-300/DU)
★	45.	HNS-563	Rear Case	HNS-581	Rear Case (SK-300/DU)
				HNS-579	Rear Case (SK-300/KC)
⚠				CNV-863	AC Cap [AC Socket]
⚠				HNW-536	Cover (SK-300/DU)
					[Voltage Selector]

## PACKING METHOD

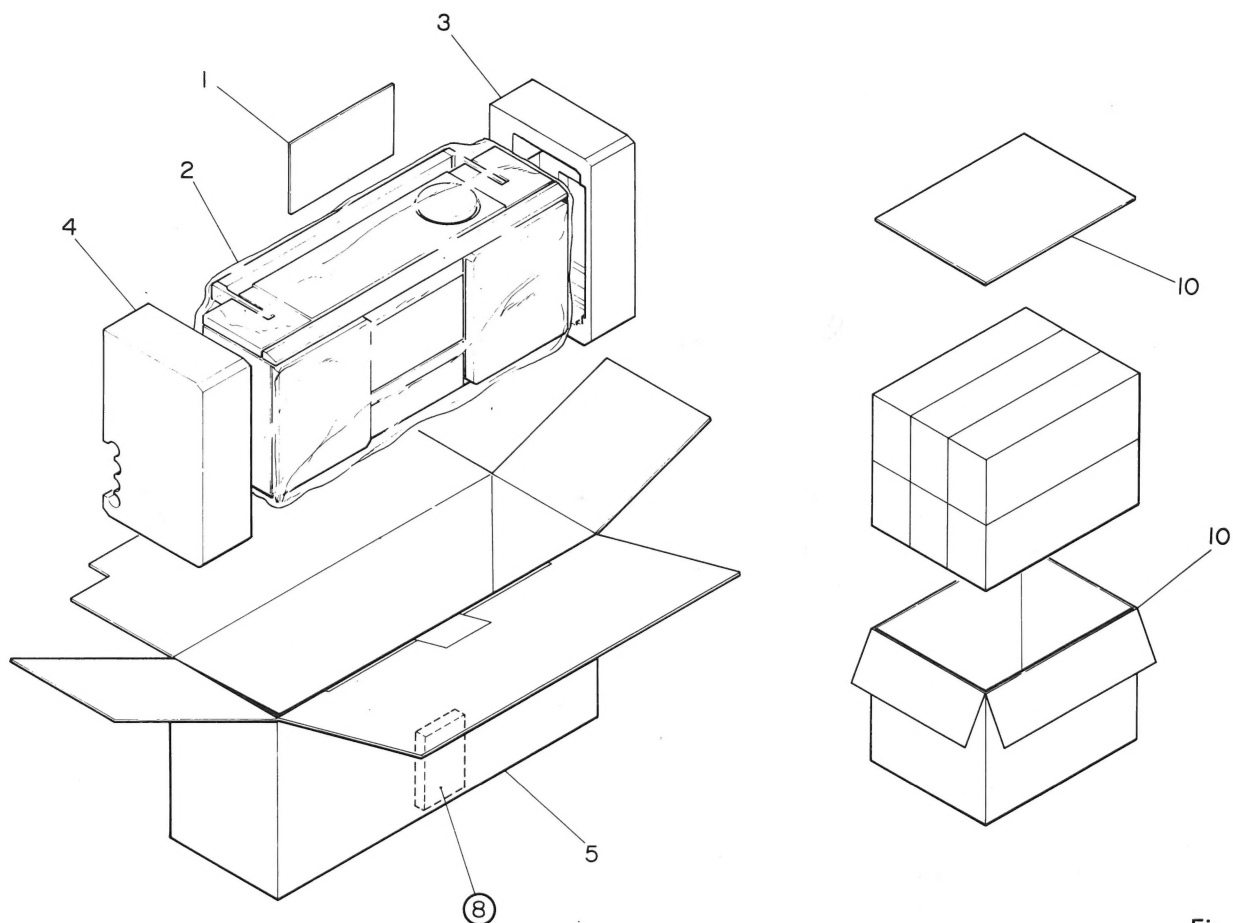


Fig. 3

### • Parts List

Mark	No.	Part No.	Description	Mark	No.	Part No.	Description
	1.	HRB-190	Owner's Manual (SK-350/DU, KC) (English)		3.	HHA-634	Styrofoam
		HRB-191	Owner's Manual (SK-350/KC) (French)		4.	HHA-633	Styrofoam
		HRB-188	Owner's Manual (SK-300/DU, KC) (English)		5.	HHA-639	Carton (SK-350/DU)
		HRB-189	Owner's Manual (SK-300/KC) (French)			HHA-643	Carton (SK-350/KC)
		CDG-029	AC Cord			HHA-637	Carton (SK-300/DU)
			Card (SK-350/DU, SK-300/DU)			HHA-641	Carton (SK-300/KC)
			Card (SK-350/KC, SK-300/KC)		6.	VACANT	
	2.	HEG-151	Cover		7.	VACANT	
					8.		Styrofoam
					9.	VACANT	
					10.	HHA-638	Contain Box (SK-350/DU)
						HHA-636	Contain Box (SK-300/DU)



